

What is claimed is:

1. A mask assembly having a predetermined opening pattern used to form a thin layer having the same pattern on a substrate, comprising:

a frame having a window, the window having an edge; and

a masking part supported by the edge of the window, the masking part including a plurality of shielding portions spaced from each other to form the predetermined opening pattern, each shielding portion having at least one linear element.

2. The mask assembly according to claim 1, wherein each of the plurality of shielding portions includes a plurality of parallel linear elements arranged next to each other.

3. The mask assembly according to claim 2, wherein each of the plurality of shielding portions has a multi-layer structure made by the plurality of linear elements arranged in a plurality of layers.

4. The mask assembly device according to claim 1, wherein the predetermined opening pattern is made by removing predetermined one or more linear elements.

5. The mask assembly according to claim 1, wherein each of the plurality of shielding portions has a coating member to cover the at least one linear element.

6. The mask assembly according to claim 1, wherein each of the plurality of shielding portions has a film member to cover the at least one linear element.

7. The mask assembly according to claim 1, wherein each of the at least one linear element is made from an acid-resistive

material.

8. The mask assembly according to claim 1, wherein each of the at least one linear element is a resin wire.

9. The mask assembly according to claim 3, wherein the multi-layer structure includes an upper layer and a lower layer, and the linear elements of the lower layer are arranged to seal gaps between the linear elements of the upper layer.

10. A method of making a mask assembly, the mask assembly having a predetermined opening pattern used to form a thin layer of the same pattern on a substrate, comprising:

providing a masking part that includes a plurality of linear elements; and

removing at least one predetermined linear element from the plurality of linear elements to form the predetermined opening pattern.

11. The method according to claim 10, wherein the step of providing a masking part and the step of removing the at least one predetermined linear element are repeated at least twice.

12. The method according to claim 10 further including providing a coating over the plurality of linear elements.

13. The method according to claim 10 further including providing a film over the plurality of linear elements.

14. The method according to claim 10, wherein the plurality of linear elements are made from an acid-resistive material except for the at least one predetermined linear element.

15. The method according to claim 10, wherein each of

the plurality of linear elements is a resin wire.

16. The method according to claim 10, wherein the predetermined linear elements are made from an acid-corrosive material, and the step of removing the at least one predetermined linear element includes immersing the plurality of linear elements into an acid pool.

17. The method according to claim 10 further including attaching the plurality of linear elements on a frame.

18. The method according to claim 17, wherein the step of attaching the plurality of linear elements is performed while a tension is being applied to the plurality of linear elements.